The Institution of Engineers, Malaysia
Sarawak Branch
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Live Online Evening Talk on

"Variable Refrigerant Flow (VRF) System & Its Special Applications"

(Co-organized with Swinburne University of Technology, Sarawak Campus)

Date/Day: 17 February 2021, Wednesday
Time: 7.00pm – 8.45pm
Link: Click to join

The event is FREE. Join via the above link and login with your full name.
Sign-in link will be provided in meeting chat from 7.00pm to 7.30pm.
Sign-out link will be available in meeting chat for 30 minutes after the event.
Complete both sign-in and sign-out to confirm your attendance.

CPD Hours: 1.5
Ref. No:
IEM21/HQ/057/T(w)

Introduction

Variable Refrigerant Flow (VRF) system is a direct-expansion (DX) technology like unitary system thermodynamically. The core components are compressor, heat exchangers and expansion device. The attribute that differentiates VRF system with other DX system is the multiple indoor unit connection to the same outdoor system with advance inverter and control technology. This makes the VRF system larger with longer piping system compare to other DX systems. It is getting more popular in commercial and as well as residential buildings application.

Little do know that VRF system has expanded the application to various types of building that traditionally think it is not possible such as factory, hospital, old building HVAC retrofit, hot water heat recovery, etc. This talk will give a brief introduction to special application of VRF system that allow engineers to think of out the box. Design is meant to be innovative that will truly be value-added to the building owner.

About the Speaker

Mr. Poh Kai Sin obtained his bachelor's degree in mechanical engineering and master's in engineering science from University of Malaya, Malaysia. In the past, he was actively involved in HVAC research and development, building mechanical services consultation, HVAC system design, IAQ audit, testing and commissioning of various HVAC systems including VRF system and chilled water system. Besides, he was also involved in facilitating the execution of various green building in achieving Green Building Index (GBI) green building rating tools in Malaysia.

He has published two technical papers in international ISI journals in the area of IAQ and UFAD system. He has vast experience and involvement in building services especially in HVAC system such as VRF system, chilled water system and UFAD system. With his design experience as well as the on-site inspection and IAQ audit experience, he has helped to solve many site issues and provide guidance in proper HVAC system's design. He is currently the Regional Manager and Asia Pacific Technical Director of Qingdao Hisense Hitachi Air-conditioning Marketing Co., Ltd. He served as the Membership Promotion Chair in ASHRAE Malaysia Chapter. He is a registered Mechanical Graduate Engineer in the Institution of Engineers, Malaysia (IEM) and the Board of Engineers Malaysia (BEM).

Program

7.00pm – 07.15pm	: Registration
7.15pm – 08.30pm	: Talk on "Variable Refrigerant Flow (VRF) System and Its Special Applications"
8.30pm – 8.45pm	: Q&A
8.45pm	: End